

Report

**BUILDING SURVEY FOR
ASBESTOS CONTAINING MATERIALS**



Subject Property: Apartment House

Address: 209 Harmon Street
Elmira, New York

Date of Survey: September 17, 2016

Prepared by: Atlantic Environmental Consulting
3725 Alpine Drive
Endwell, NY 13760



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I. Executive Summary

This Section is a summary only and the user must refer to the entire contents of this report including Appendices.

A. Project Background

Project Background		
Purpose of Survey:	Pre-demolition	
Asbestos Survey Contractor:	Atlantic Environmental Consulting	
Date of Survey:	September 17, 2016	
Inspector(s):	Matthew Weintraub	Stephen Major
NYSDOL Certificate(s):	93-10084	03-01809
Client:	J. B. Evans & Sons	
Site Name:	Apartment House	
Site Address:	209 Harmon Street, Elmira, New York	
Brief Building Description:	The subject structure is a two story apartment house	
Property Owner:	Michael T. Karam	
Owner Mailing Address:	Not provided	
Occupancy:	Occupied	

This building survey was performed on the subject building as part of the requirements for demolition and/or renovation under the New York State Department of Labor (NYSDOL) Industrial Code Rule 56, to determine if asbestos containing materials (ACMs) were used to build the structure. Suspect building materials were categorized into homogeneous areas and then inspected and sampled in order to be identified as ACMs or non-asbestos containing materials (NACMs).

B. Significant Findings

The findings of this asbestos survey are listed below. Additional details are presented in **Section IV**.

The following materials were found to contain asbestos in concentrations greater than 1%:

Friable ACMs

- **Friable joint compound** on drywall surfaces throughout the building (approximately 3,000 square feet).

Non-Friable Cementitious ACMs

- **Non-friable cementitious siding (Transite)** on the exterior walls (approximately 2,200 square feet).

This Section is a summary only and the user must refer to the entire contents of this report including Appendices.

II. General Information

A. Description of Structure

Description of Structure	
Number of Stories:	Two stories
Superstructure:	Wood framed
Foundation:	Full basement
Roofing:	Asphaltic
Exterior Walls / Siding:	Cementitious tiles
Interior Floors:	Resilient flooring, carpet
Interior Walls:	Drywall
Interior Ceilings:	Drywall, grid ceiling, ceiling tiles
Heating System:	Wall-mounted space heaters
Heating Plant Location:	Within each unit
Other Features:	N/A
Outbuildings:	N/A

B. Purpose of Survey

This survey was conducted in order to determine whether asbestos-containing materials (ACMs) and/or asbestos materials are present in the structure. Asbestos can cause debilitating or fatal illnesses. When disturbed, as during demolition or renovation activities, asbestos fibers can become airborne whereupon they can create a health hazard. ACMs and asbestos materials in buildings, and the disturbance of same, are regulated under federal, state, and local laws.

As part of asbestos surveys, suspect ACMs are identified and, where appropriate, sampled for analysis by an accredited laboratory. The suspect materials are also grouped into two categories: friable (able to be crushed or pulverized by hand pressure) and non-friable. Materials that are typically non-friable in their normal state, such as asphalt roofing or resilient floor tile, may become friable when subjected to mechanical abrasion activities (e.g. dry cutting or floor sanding). The physical disintegration of the material could cause asbestos fibers to be dispersed into the air.

C. General Procedure

Suspect ACMs are targeted for identification by (1) a review of pertinent building plans and other records, where available, and (2) by the sampling of suspect materials for certified laboratory analysis.

The following list (excerpted from 12NYCRR Part 56-5) summarizes typical ACMs and suspect materials in buildings; it is not all-inclusive:

Typical ACMs / Suspect Materials	
Surfacing Treatments:	
• Fireproofing	• Finish plasters
• Acoustical plaster	• Skim coats of joint compound
Thermal System Insulation:	
• Equipment insulation	• Cement or mortar used for boilers & refractory brick
• Boiler breeching, rope, duct, or tank insulation	• Piping and fitting insulations
Roofing and Siding Miscellaneous Materials:	
• Insulation board	• Cementitious board (transite)
• Vapor barriers	• Flashing
• Coatings	• Shingles
• Non-metallic or non-wood roof decking	• Galbestos
• Felts	
Other Miscellaneous Materials:	
• Dust and debris	• Fire blankets
• Floor tile	• Fire doors
• Cove base	• Brakes and clutches
• Floor leveler compound	• Mastics, adhesives and glues
• Ceiling tile	• Caulks
• Vermiculite insulation	• Sheet flooring (linoleum)
• Gaskets, seals, sealants	• Wallpaper
• Vibration isolators	• Drywall
• Laboratory tables and hoods	• Plasterboard
• Chalkboards	• Spackling/joint compound
• Pipe penetration packing / firestopping materials	• Textured paint
• Cementitious board	• Grout
• Electrical wire insulation	• Glazing compound
• Fire curtains	• Terrazzo

D. Limits of Survey

It is the belief of the inspector that the survey was comprehensive in nature. However, certain materials could exist within the survey area that were not exposed even though destructive techniques were authorized. Accessible areas were visually inspected and covering surfaces were removed as safety concerns and the limits of the survey permitted.

The building was occupied and furnished at the time of inspection. As such, sampling was planned in such a way as to be minimally obtrusive to the occupants. Certain surfaces and materials may have been obscured, inaccessible, or otherwise unable to be sampled in an occupied environment. Additional destructive sampling may be required prior to demolition.

The described locations of ACMs may not be all-inclusive.

Quantities of ACMs are estimated and are not intended to be used for abatement project bidding/pricing. The abatement contractor, project designer, and others are advised to verify all site parameters including material quantities.

III. Asbestos Survey Procedures

A. Inspection & Sampling

The physical inspection of the property was conducted on September 17, 2016. The inspection consisted of the examination of accessible suspect materials (which may contain asbestos) in interior and exterior installations within the structure, in accordance with 12NYCRR Part 56-1.9.

Asbestos records: No records were provided that indicate the presence of ACMs in the building.

The structure was visually inspected to identify potential ACMs. The inspector assessed each suspect material to determine whether the material was friable or non-friable. Quantities and condition of suspect ACMs were recorded.

The suspect materials in this inspection were flooring, drywall, joint compound, ceiling tiles, window glazing compound, roofing, siding, felts, and flue cement.

A total of 38 samples were collected and submitted for analysis.

Certain building materials that were obviously not ACMs, such as wood, concrete, glass, and metal, were not sampled.

B. Laboratory Testing

Collected samples were sealed for transport under chain-of-custody documentation to EMSL Laboratories in New York, NY, NYS ELAP #11506. Samples were received at the laboratory on September 21, 2016. The analytical data were received from the laboratory on September 26, 2016. A copy of the laboratory's certification is included in Appendix B.

Either Polarized Light Microscopy (PLM) with Dispersion Staining or Gravimetric Matrix Reduction and PLM with Transmission Electron Microscopy (TEM), used for negative confirmation, were performed. Non-friable organically bound samples (NOBs) such as vinyl floor tile or asphalt-based roofing material are required, in NYS, to be analyzed utilizing gravimetric reduction protocols. NOB samples testing negative under the PLM portion of this examination underwent TEM analysis.

Multiple samples were taken of most homogeneous suspect materials. In order to minimize analytical costs the laboratory was instructed to forego additional analyses if and when one sample of a multiple homogeneous group or a layered system tested positive (positive stop).

IV. Findings

A. Laboratory Results

The laboratory analytical results are attached as Appendix A.

B. Summary of Findings

The following materials were found to contain asbestos in concentrations greater than 1%:

Friable ACMs

- **Friable joint compound** on drywall surfaces throughout the building (approximately 3,000 square feet).

Non-Friable Cementitious ACMs

- **Non-friable cementitious siding (Transite)** on the exterior walls (approximately 2,200 square feet).

Survey Data

Survey data, including sampling locations, material descriptions, friability, condition, estimated quantities of ACM (if any), and asbestos content are summarized in **Table 1**.

Homogeneous Areas

Homogeneous areas of ACM and non-ACM materials are summarized in **Table 2**.

Building Diagrams

Diagrams of the building showing locations of positive and negative samples are presented in **Figure 2**.

Photos of ACM are in the *Photos* section after Figure 2.

C. Transmittal of Survey Information

In accordance with 12NYCRR Part 56, the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

1. "One copy of the completed asbestos survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under applicable State or local laws."
2. "The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall also be submitted to the appropriate Asbestos Control Bureau District Office." *The local New York State Asbestos Control Bureau District Office is provided below.*
3. "The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project."

SYRACUSE DISTRICT

(Counties: Allegany, Broome, Cayuga, Chemung, Chenango, Cortland, Delaware, Franklin, Hamilton, Herkimer, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Otsego, St. Lawrence, Schuyler, Seneca, Steuben, Tioga, Tompkins)

- 450 S. Salina Street, Syracuse, NY 13202; (315) 479-3215

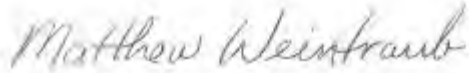
V. Recommendations

Prior to demolition, asbestos containing materials should be removed in accordance with 12NYCRR Part 56.

If hidden or otherwise suspect ACMs are discovered during demolition activities (or within the debris pile) they should be sampled and analyzed according to the procedures herein, and the scope of the demolition or removal altered as necessary based on the findings.

This survey report should be filed by the building owner with the appropriate governmental agencies, as noted in Section IV.C of this report. The inspector will retain a copy of this report in accordance with 12 NYCRR Part 56. Questions related to this survey should be directed to the Inspector at 607-239-4311.

Respectfully Submitted,
ATLANTIC ENVIRONMENTAL CONSULTING, LLC

A handwritten signature in blue ink that reads "Matthew Weintraub".

Matthew Weintraub
N.Y. Asbestos Inspector No. 93-10084

A handwritten signature in blue ink that appears to read "Stephen Major".

Stephen Major
N.Y. Asbestos Inspector No. 03-01809

Tables

Table 1 - Summary of Results

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable ACM	H.A.	Estimated Quantity of Homogeneous ACM	% asbestos
9/17/16	I1716-101	n/a	1	2FL	Bath	12x12 P&S floor tile	Non-friable	n/a	A	n/a	NAD
9/17/16	I1716-102	n/a	2	2FL	Bath	12x12 P&S floor tile	Non-friable	n/a	A	n/a	NAD
9/17/16	I1716-103	n/a	3	2FL	Bath	Drywall	Friable	Good	B	See location 19	NAD
9/17/16	I1716-104	n/a	4	2FL	Bath	Joint compound	Friable	Good	B		NAD
9/17/16	I1716-105	n/a	5	2FL	Kitchen	Drywall	Friable	Good	B		NAD
9/17/16	I1716-106	n/a	6	2FL	Kitchen	Joint compound	Friable	Good	B		NAD
9/17/16	I1716-107	n/a	7	1FL	Kitchen	12x12 P&S floor tile	Non-friable	n/a	C	n/a	NAD
9/17/16	I1716-108	n/a	8	1FL	Kitchen	12x12 P&S floor tile	Non-friable	n/a	C	n/a	NAD
9/17/16	I1716-109	n/a	9	1FL	Foyer	Gray vinyl flooring	Non-friable	n/a	D	n/a	NAD
9/17/16	I1716-110	n/a	10	1FL	Foyer	Gray vinyl flooring	Non-friable	n/a	D	n/a	NAD
9/17/16	I1716-111	n/a	11	1FL	Bath	Floor coating	Non-friable	n/a	E	n/a	NAD
9/17/16	I1716-112	n/a	12	1FL	Bath	Floor coating	Non-friable	n/a	E	n/a	NAD
9/17/16	I1716-113	n/a	13	1FL	Bath	2x4 ceiling tile	Friable	n/a	F	n/a	NAD
9/17/16	I1716-114	n/a	14	1FL	Bath	2x4 ceiling tile	Friable	n/a	F	n/a	NAD
9/17/16	I1716-115	n/a	15	1FL	LR	1x1 ceiling tile	Friable	n/a	G	n/a	NAD
9/17/16	I1716-116	n/a	16	1FL	LR	1x1 ceiling tile	Friable	n/a	G	n/a	NAD
9/17/16	I1716-117	n/a	17	1FL	BR	Drywall	Friable	Good	H	1,500 s.f.	Presumed
9/17/16	I1716-118	n/a	18	1FL	BR	Drywall	Friable	Good	H		Presumed
9/17/16	I1716-119	n/a	19	1FL	BR	Joint compound	Friable	Good	H		1.9%
9/17/16	I1716-120	n/a	20	1FL	BR	Joint compound	Friable	Good	H		PS
9/17/16	I1716-121	n/a	21	Basement	Walls	Cementitious parging	Friable	n/a	I	n/a	NAD
9/17/16	I1716-122	n/a	22	Basement	Walls	Cementitious parging	Friable	n/a	I	n/a	NAD
9/17/16	I1716-123	n/a	23	Basement	Chimney	Flue cement	Friable	n/a	J	n/a	NAD
9/17/16	I1716-124	n/a	24	Basement	Chimney	Flue cement	Friable	n/a	J	n/a	NAD
9/17/16	I1716-125	n/a	25	Exterior	2FL R window	Glazing compound	Non-friable	n/a	K	n/a	NAD
9/17/16	I1716-126	n/a	26	Exterior	1FL front window	Glazing compound	Non-friable	n/a	K	n/a	NAD
9/17/16	I1716-127	n/a	27	Exterior	Walls	Cementitious (Transite) siding	Non-friable	n/a	L	2,200 s.f.	26.7%
9/17/16	I1716-128	n/a	28	Exterior	Walls	Cementitious (Transite) siding	Non-friable	n/a	L		PS

Table 1 Notes:

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

Table 1 - Summary of Results

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable		Estimated Quantity of Homogeneous		% asbestos
								ACM	H.A.	ACM		
9/17/16	I1716-129	n/a	29	Exterior	Walls	Asphaltic felt	Non-friable	n/a	M	n/a		NAD
9/17/16	I1716-130	n/a	30	Exterior	Walls	Asphaltic felt	Non-friable	n/a	M	n/a		NAD
9/17/16	I1716-131	n/a	31	Exterior	Basement door	Roofing membrane	Non-friable	n/a	N	n/a		NAD
9/17/16	I1716-132	n/a	32	Exterior	Basement door	Roofing membrane	Non-friable	n/a	N	n/a		NAD
9/17/16	I1716-133	n/a	33	Roof	Main	Asphaltic felt	Non-friable	n/a	O	n/a		NAD
9/17/16	I1716-134	n/a	34	Roof	Main	Asphaltic felt	Non-friable	n/a	O	n/a		NAD
9/17/16	I1716-135	n/a	35	Roof	Main	Asphaltic shingle	Non-friable	n/a	O	n/a		NAD
9/17/16	I1716-136	n/a	36	Roof	Main	Asphaltic shingle	Non-friable	n/a	O	n/a		NAD
9/17/16	I1716-137	n/a	37	Roof	Main	Asphaltic flashing cement	Non-friable	n/a	P	n/a		NAD
9/17/16	I1716-138	n/a	38	Roof	Main	Asphaltic flashing cement	Non-friable	n/a	P	n/a		NAD

Table 1 Notes:

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

Table 2 - Homogeneous Areas

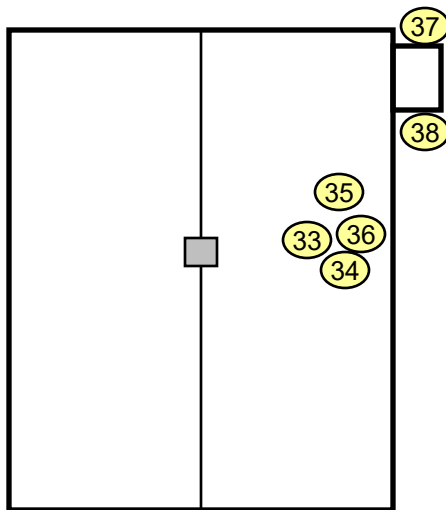
Area	Material	Locations	Friability	ACM? Y/N	Quantity of ACM
A	12x12 peel & stick floor tile	Second floor bath	Non-friable	N	N/A
B	Drywall and joint compound	Second floor walls and ceilings	Friable	N	N/A
C	12x12 peel & stick floor tile	First floor kitchen	Non-friable	N	N/A
D	Gray vinyl flooring	Stair foyer	Non-friable	N	N/A
E	Floor coating	First floor bath	Non-friable	N	N/A
F	2x4 ceiling tile	First floor bath	Friable	N	N/A
G	1x1 ceiling tile	First floor living room	Friable	N	N/A
H	Drywall and joint compound	Walls and ceilings throughout the structure	Friable	Y	3,000 s.f.
I	Cementitious parging	Basement walls	Non-friable	N	N/A
J	Flue cement	Basement chimney	Friable	N	N/A
K	Glazing compound	All old-style putty-glazed window sash	Non-friable	N	N/A
L	Cementitious (Transite) siding	Exterior walls	Non-friable	Y	2,200 s.f.
M	Asphaltic felt	Exterior walls	Non-friable	N	N/A
N	Roofing membrane	Basement door	Non-friable	N	N/A
O	Asphaltic felt and shingles	Main roof	Non-friable	N	N/A
P	Asphaltic flashing cement	Main roof	Non-friable	N	N/A

Table 2 Notes:

Orange highlighting indicates Asbestos Containing Materials

* Quantities are estimated and approximate: s.f. = square feet; l.f. = linear feet

Figures



ROOF

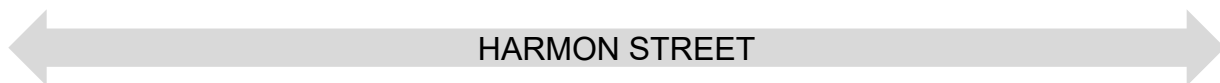


FIGURE 2: BUILDING AND SAMPLING DIAGRAM

Project: Pre-Demolition
Asbestos Survey



Site: 209 Harmon Street, Elmira, NY

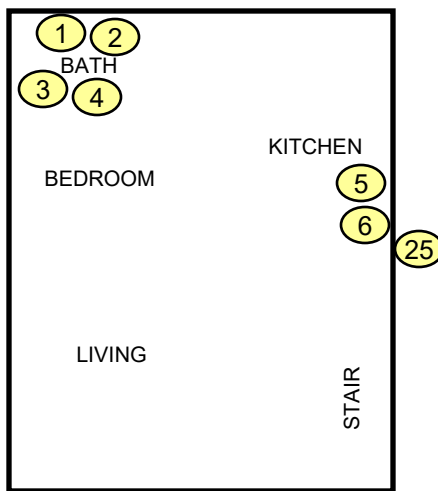
 Atlantic Environmental Consulting, LLC

Approximate scale: 1" = 12'

Sheet 1 of 4

Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples



SECOND FLOOR

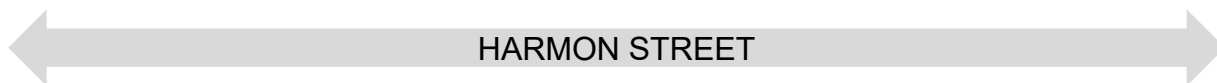


FIGURE 2: BUILDING AND SAMPLING DIAGRAM

Project: Pre-Demolition
Asbestos Survey



Site: 209 Harmon Street, Elmira, NY

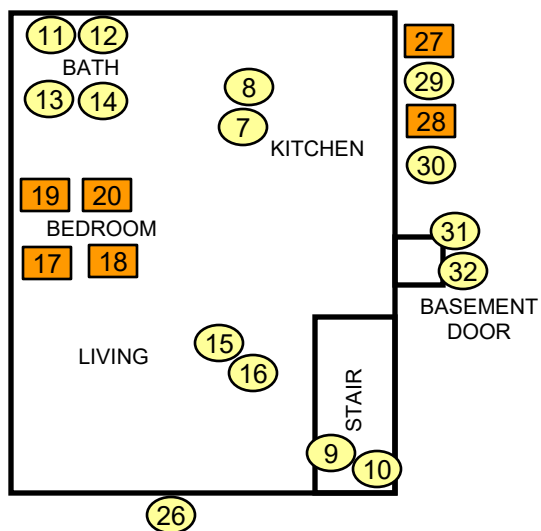
 Atlantic Environmental Consulting, LLC

Approximate scale: 1" = 12'

Sheet 2 of 4

Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples



FIRST FLOOR

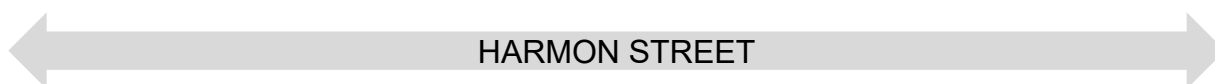


FIGURE 2: BUILDING AND SAMPLING DIAGRAM

Project: Pre-Demolition
Asbestos Survey



Site: 209 Harmon Street, Elmira, NY

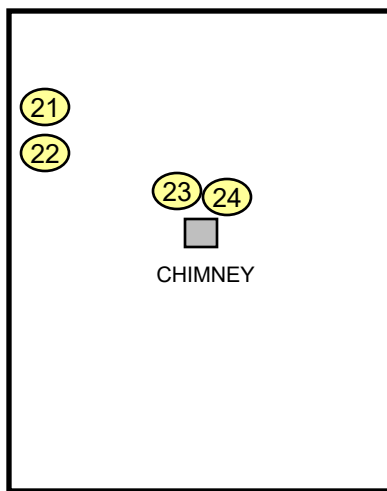
 Atlantic Environmental Consulting, LLC

Approximate scale: 1" = 12'

Sheet 3 of 4

Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples



BASEMENT

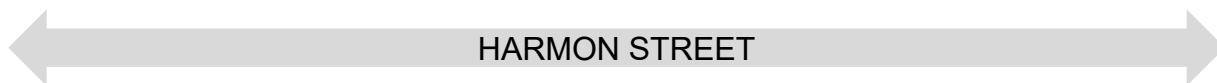


FIGURE 2: BUILDING AND SAMPLING DIAGRAM

Project: Pre-Demolition
Asbestos Survey



Site: 209 Harmon Street, Elmira, NY

 Atlantic Environmental Consulting, LLC

Approximate scale: 1" = 12'

Sheet 4 of 4

Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples

Photos - 209 Harmon Street, Elmira, NY



Photo 1:

Joint compound on drywall on first floor walls and ceilings is positive friable ACM.



Photo 2:

Cementitious (Transite) siding on the exterior walls is positive non-friable ACM.

Appendix A - Laboratory Analytical Data



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Attention: Matthew Weintraub

Atlantic Environmental Consulting, LLC

3725 Alpine Drive

Endicott, NY 13760

Phone: (607) 239-4311

Fax:

Received Date: 09/21/2016 11:03 AM

Analysis Date: 09/23/2016 - 09/24/2016

Collected Date: 09/17/2016

Project: 209 HARMON STREET, ELMIRA, NY

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-101 031628491-0001		Description 2FL/ BATH - 12X12 P&S FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Beige		100.00% Other	None Detected
Sample ID 11716-102 031628491-0002		Description 2FL/ BATH - 12X12 P&S FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Beige		100.00% Other	None Detected
Sample ID 11716-103 031628491-0003		Description 2FL/ BATH - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray	5.00% Cellulose 10.00% Glass	50.00% Gypsum 35.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-104 031628491-0004		Description 2FL/ BATH - JOINT COMPOUND Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	White	5.00% Cellulose	35.00% Ca Carbonate 60.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-105 031628491-0005		Description 2FL/ KITCHEN - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	9.00% Cellulose	80.00% Gypsum 11.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 09/24/2016 15:48:28



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-106 031628491-0006		Description 2FL/ KITCHEN - JOINT COMPOUND			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	White		40.00% Ca Carbonate 60.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-107 031628491-0007		Description 1FL/ KITCHEN - 12X12 P&S FLOOR TILE			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Brown		100.00% Other	None Detected
Sample ID 11716-108 031628491-0008		Description 1FL/ KITCHEN - 12X12 P&S FLOOR TILE			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Brown		100.00% Other	None Detected
Sample ID 11716-109 031628491-0009		Description 1FL/ FOYER - GRAY VINYL FLOORING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-110 031628491-0010		Description 1FL/ FOYER - GRAY VINYL FLOORING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-111 031628491-0011		Description 1FL/ BATH - FLOOR COATING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected

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EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

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<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-112 031628491-0012		Description 1FL/ BATH - FLOOR COATING Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-113 031628491-0013		Description 1FL/ BATH - 2X4 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-114 031628491-0014		Description 1FL/ BATH - 2X4 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-115 031628491-0015		Description 1FL/ LR - 1X1 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-116 031628491-0016		Description 1FL/ LR - 1X1 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-117 031628491-0017		Description 1FL/ BR - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray	5.00% Cellulose 2.00% Glass	55.00% Gypsum 38.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-118 031628491-0018		Description 1FL/ BR - JOINT COMPOUND Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	8.00% Cellulose	80.00% Gypsum 12.00% Non-fibrous (other)	None Detected
Sample more closely matches description for #119					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-119 031628491-0019		Description 1FL/ BR - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Tan	None	35.00% Ca Carbonate 63.11% Non-fibrous (other)	1.89% Chrysotile
Sample more closely matches description for #118					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-120 031628491-0020		Description 1FL/ BR - JOINT COMPOUND Homogeneity			
PLM NYS 198.1 Friable	09/23/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-121 031628491-0021		Description BASEMENT/ WALLS - CEMENTITIOUS PARGING Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray	5.00% Cellulose	55.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-122 031628491-0022		Description BASEMENT/ WALLS - CEMENTITIOUS PARGING Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Gray		20.00% Ca Carbonate 25.00% Non-fibrous (other) 55.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-123 031628491-0023		Description BASEMENT/ CHIMNEY - FLUE CEMENT Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray		15.00% Ca Carbonate 35.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-124 031628491-0024		Description Homogeneity	BASEMENT/ CHIMNEY - FLUE CEMENT Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray		20.00% Ca Carbonate 20.00% Non-fibrous (other) 60.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-125 031628491-0025		Description Homogeneity	EXTERIOR/ 2FL R WINDOW - GLAZING COMPOUND Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	<1.00% Wollastonite	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-126 031628491-0026		Description Homogeneity	EXTERIOR/ 1FL FRONT WINDOW - GLAZING COMPOUND Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-127 031628491-0027		Description Homogeneity	EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING Homogeneous		
PLM NYS 198.1 Friable	09/23/2016	Gray	None	25.00% Ca Carbonate 48.30% Non-fibrous (other)	26.70% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-128 031628491-0028		Description Homogeneity	EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING		
PLM NYS 198.1 Friable	09/24/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-129 031628491-0029		Description Homogeneity	EXTERIOR/ WALLS - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-130 031628491-0030		Description Homogeneity	EXTERIOR/ WALLS - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-131 031628491-0031		Description Homogeneity	EXTERIOR/ BASEMENT DOOR - ROOFING MEMBRANE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-132 031628491-0032		Description Homogeneity	EXTERIOR/ BASEMENT DOOR - ROOFING MEMBRANE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-133 031628491-0033		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-134 031628491-0034		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-135 031628491-0035		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-136 031628491-0036		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-137 031628491-0037		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-138 031628491-0038		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 15:48:28



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

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EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 9/21/2016

Sample Receipt Time: 11:03 AM

Analysis Completed Date: 9/23/2016

Analysis Completed Time: 1:54 PM

Analyst(s):

Ghaly Hemaya PLM NYS 198.1 Friable (5)

Tiquasha Thompson PLM NYS 198.1 Friable (7)

Emily Myint PLM NYS 198.6 NOB (24)

Robert Georgens TEM NYS 198.4 NOB (24)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 09/24/2016 15:48:28

ATLANTIC ENVIRONMENTAL CONSULTING
CHAIN OF CUSTODY
BULK SAMPLING
PAGE 1 OF 2

EMSL Job #:

031628491**LAB:**
 EMSL New York
 307 West 38th Street
 New York, NY, 10018
 212-290-0051

 Atlantic Environmental Consulting, 3725 Alpine Drive,
 Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311

FAX: 877-237-7258

PROJECT: 209 HARMON STREET, ELMIRA, NY

JOB TYPE:

NYS Pre-Demo.

MANAGER:

Matthew Weintraub

ANALYSIS:**TURNAROUND TIME****COMMENTS:**

PLM	8 HR	12 HR	24 HR	48 HR	<u>72 HR</u>	96 HR	120 HR
TEM BULK	8 HR	12 HR	24 HR	48 HR	<u>72 HR</u>	96 HR	120 HR
OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER

 Analyze in order listed; stop analyses at first
 positive of each homogeneous area (HA).

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-101	2FL	Bath	12x12 P&S floor tile	A
9/17/16	I1716-102	2FL	Bath	12x12 P&S floor tile	A
9/17/16	I1716-103	2FL	Bath	Drywall	B
9/17/16	I1716-104	2FL	Bath	Joint compound	B
9/17/16	I1716-105	2FL	Kitchen	Drywall	B
9/17/16	I1716-106	2FL	Kitchen	Joint compound	B
9/17/16	I1716-107	1FL	Kitchen	12x12 P&S floor tile	C
9/17/16	I1716-108	1FL	Kitchen	12x12 P&S floor tile	C
9/17/16	I1716-109	1FL	Foyer	Gray vinyl flooring	D
9/17/16	I1716-110	1FL	Foyer	Gray vinyl flooring	D
9/17/16	I1716-111	1FL	Bath	Floor coating	E
9/17/16	I1716-112	1FL	Bath	Floor coating	E
9/17/16	I1716-113	1FL	Bath	2x4 ceiling tile	F
9/17/16	I1716-114	1FL	Bath	2x4 ceiling tile	F
9/17/16	I1716-115	1FL	LR	1x1 ceiling tile	G
9/17/16	I1716-116	1FL	LR	1x1 ceiling tile	G
9/17/16	I1716-117	1FL	BR	Drywall	H
9/17/16	I1716-118	1FL	BR	Joint compound	H
9/17/16	I1716-119	1FL	BR	Drywall	H
9/17/16	I1716-120	1FL	BR	Joint compound	H
9/17/16	I1716-121	Basement	Walls	Cementitious parging	I
9/17/16	I1716-122	Basement	Walls	Cementitious parging	I
9/17/16	I1716-123	Basement	Chimney	Flue cement	J
9/17/16	I1716-124	Basement	Chimney	Flue cement	J
9/17/16	I1716-125	Exterior	2FL R window	Glazing compound	K
9/17/16	I1716-126	Exterior	1FL front window	Glazing compound	K
9/17/16	I1716-127	Exterior	Walls	Cementitious (Transite) siding	L
9/17/16	I1716-128	Exterior	Walls	Cementitious (Transite) siding	L

SAMPLED BY:

DATE:

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DATE:

Emily Mynt 9.23.16 14:15

PAGE 2 OF 2

EMSL Job #:

03162349

EMSL New York
307 West 38th Street
New York, NY, 10018
212-290-0051

FAX: 877-237-7258

NYS Pre-Demo.

Matthew Weintraub

TURNAROUND TIME

COMMENTS:

PLM	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR
-----	------	-------	-------	-------	-------	-------	--------

Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).

TEM BULK	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR
----------	------	-------	-------	-------	-------	-------	--------

OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER
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SAMPLED BY:

DATE:

RECEIVED BY:

DATE:

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DATE:

RECEIVED IN LAB BY:

DATE:

② early Mont 9.23.16 14-18

ATLANTIC ENVIRONMENTAL CONSULTING
CHAIN OF CUSTODY
BULK SAMPLING
PAGE 1 OF 2

EMSL Job #:

031628491**LAB:**
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 Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311

FAX: 877-237-7258

PROJECT: 209 HARMON STREET, ELMIRA, NY

 JOB TYPE:
 NYS Pre-Demo.

 MANAGER:
 Matthew Weintraub

ANALYSIS:	TURNAROUND TIME
PLM	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR
TEM BULK	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR <u>ADP</u>
OTHER	8 HR 12 HR 24 HR 48 HR 72 HR 96 HR OTHER

COMMENTS:
 Analyze in order listed; stop analyses at first
 positive of each homogeneous area (HA).

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-101	2FL	Bath	12x12 P&S floor tile	A
9/17/16	I1716-102	2FL	Bath	12x12 P&S floor tile	A
9/17/16	I1716-103	2FL	Bath	Drywall	B
9/17/16	I1716-104	2FL	Bath	Joint compound	B
9/17/16	I1716-105	2FL	Kitchen	Drywall	B
9/17/16	I1716-106	2FL	Kitchen	Joint compound	B
9/17/16	I1716-107	1FL	Kitchen	12x12 P&S floor tile	C
9/17/16	I1716-108	1FL	Kitchen	12x12 P&S floor tile	C
9/17/16	I1716-109	1FL	Foyer	Gray vinyl flooring	D
9/17/16	I1716-110	1FL	Foyer	Gray vinyl flooring	D
9/17/16	I1716-111	1FL	Bath	Floor coating	E
9/17/16	I1716-112	1FL	Bath	Floor coating	E
9/17/16	I1716-113	1FL	Bath	2x4 ceiling tile	F
9/17/16	I1716-114	1FL	Bath	2x4 ceiling tile	F
9/17/16	I1716-115	1FL	LR	1x1 ceiling tile	G
9/17/16	I1716-116	1FL	LR	1x1 ceiling tile	G
9/17/16	I1716-117	1FL	BR	Drywall	H
9/17/16	I1716-118	1FL	BR	Joint compound	H
9/17/16	I1716-119	1FL	BR	Drywall	H
9/17/16	I1716-120	1FL	BR	Joint compound	H
9/17/16	I1716-121	Basement	Walls	Cementitious parging	I
9/17/16	I1716-122	Basement	Walls	Cementitious parging	I
9/17/16	I1716-123	Basement	Chimney	Flue cement	J
9/17/16	I1716-124	Basement	Chimney	Flue cement	J
9/17/16	I1716-125	Exterior	2FL R window	Glazing compound	K
9/17/16	I1716-126	Exterior	1FL front window	Glazing compound	K
9/17/16	I1716-127	Exterior	Walls	Cementitious (Transite) siding	L
9/17/16	I1716-128	Exterior	Walls	Cementitious (Transite) siding	L

SAMPLED BY: [Signature] DATE: 9/17/16RECEIVED BY: [Signature]DATE: 9/21/16 11:03 AMRELINQUISHED BY: [Signature] DATE: 9/20/16RECEIVED IN LAB BY: [Signature]DATE: 9/24/16 12:01 PM

Appendix B - Inspector & Laboratory Accreditation

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Atlantic Environmental Consulting, LLC
3725 Alpine Drive
Endwell, NY 13760

FILE NUMBER: 07-30731
LICENSE NUMBER: 30731
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/26/2016
EXPIRATION DATE: 05/31/2017

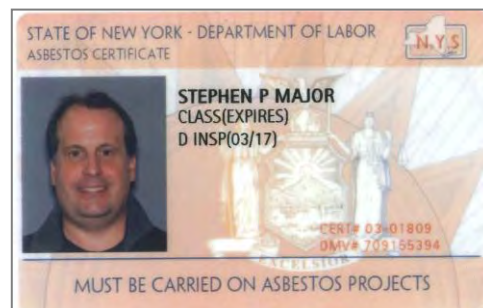
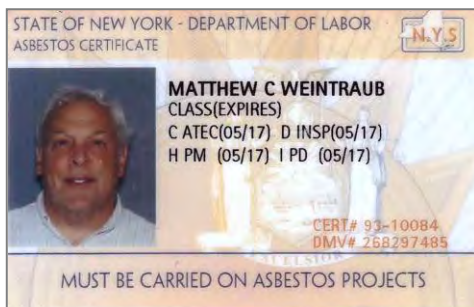
Duly Authorized Representative – Lynette M. Weintraub

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko
Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JAMES HALL
EMSL ANALYTICAL, INC
307 WEST 38TH STREET
NEW YORK, NY 10018

NY Lab Id No: 11506

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B



Serial No.: 54297

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

Appendix C

Glossary of Terms, Abbreviations, And Acronyms

12 NYCRR Part 56	A part of the Codes, Rules, and Regulations of New York State intended to control asbestos removal and disturbance activities. Commonly referred to as “Code Rule 56.”
12x12	In inches, a size description of floor tile; width x length.
1x1	In feet, a size description of ceiling tile; width x length.
2x2	In feet, a size description of ceiling tile; width x length.
2x4	In feet, a size description of ceiling tile; width x length.
9x9	In inches, a size description of floor tile; width x length.
ACM	Asbestos-containing material.
Air-Cell	Thermal pipe insulation comprised of corrugated layers which form air spaces.
Asbestos	Any of several naturally-occurring amphibole and serpentine minerals which separate into long threadlike fibers.
Asphaltic	Having an asphalt or tar-like matrix, as in a typical roof shingle.
BR	Bedroom
BUR	Built-up roofing; typically layers of asphaltic felt bonded and sealed with tar or pitch.
Ceil	Ceiling
Cementitious	Having a lime-cement matrix; such materials are typically hard and rigid.
Code Rule 56	A part of the Codes, Rules, and Regulations of New York State intended to control asbestos removal and disturbance activities. Technically referred to as “12 NYCRR Part 56.”
CT	Ceiling tile.
DR	Dining room.
Drywall	A gypsum-based sheet with heavy paper facings, used as a wall and ceiling finish, fire stopping, and sound-deadening.
E	East on the compass.
ELAP	Environmental Laboratory Approval Program, administered by the New York State Department of Health.
Felt	Any of a variety of thick papers and fabrics that are formed by pressing fibers into place, rather than weaving.
Friable	Able to be crushed or pulverized by hand pressure.
Glazing Compound	A putty or caulk used to set and seal glass in a window frame.
HVAC	Heating, ventilation, and air conditioning.
Joint Compound	A gypsum or lime based plaster-like material used to conceal and finish joints in drywall.
Kit	Kitchen.
Lagging	Thermal insulation typically installed on a boiler or tank.
l.f.	Linear feet; a unit of measure typically used to quantify the length of pipe insulation.
Limited	For asbestos surveys, the term “limited” acknowledges the fact that all possible suspect materials may not be observed. Some materials can be concealed within inaccessible areas or cannot be reached due to safety concerns. Also, a client may request a survey with limits.

LR	Living room.
Masonry	Structures comprised of concrete, brick, concrete block, or similar materials.
N	North on the compass.
NACM	Non-asbestos containing material. Contains less than 1% asbestos by laboratory analysis.
NAD	No asbestos detected (by laboratory analysis).
NE	Northeast on the compass.
NOB	Non-friable organically bound. NOBs have an organic matrix (tar, asphalt, plastic, etc.) that generally binds other constituents (fibers, powders) together. Examples are asphaltic roofing and resilient flooring.
Non-Friable	Not able to be crushed or pulverized by normal hand pressure.
NW	Northwest on the compass.
NYSDOL	New York State Department of Labor
PACM	Presumed asbestos-containing material.
PLM	Polarized light microscopy; a laboratory analytical method for identifying asbestos.
Pre-Demolition	Referring to an activity, such as a survey or inspection, conducted prior to the disturbance or demolition of a building or portion of a building.
Resilient	Somewhat flexible or plastic; able to be slightly bent or flexed without breaking.
Roll	Asphaltic rolled roofing.
S	South on the compass.
SE	Southeast on the compass.
s.f.	Square feet; a unit of area measure typically used to quantify surfacing materials, roofing, drywall, etc.
Shingle	A tile (of wood, asphalt, etc.) that is installed in overlapping fashion as a covering on roofs and walls.
Subject Property	The building or buildings that are within the work scope of an asbestos survey.
Survey	An inspection and sampling of a building, structure, debris pile, etc., for suspect asbestos-containing materials.
Suspect Material	A material which may contain asbestos.
SW	Southwest on the compass.
TEM	Transmission electron microscopy; a laboratory analytical method for identifying asbestos.
Transite	A brand of cementitious board or pipe. Older Transite typically contains asbestos.
TSI	Thermal system insulation.
Util	Utility.
VAT	Vinyl asbestos tile (floor).
VCT	Vinyl composition tile (floor).
W	West on the compass.